

As a below hamed inventer, I hereby declare that:

My residence, post-office address and citizenship are as stated below next to my name,

first and joint inventor (	(if plural names are listed b	if only one name is listed below) elow) of the subject matter which	
	is sought on the invention		NAV ANITENINIA AND
METHOD OF CALCUL RADIO UNIT UTILIZIN		FICIENTS FOR CIRCULAR ARR	KAY ANTENNA AND
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was filed on	as		19/920 984
United States App	Dication Number of PCT Int August 2, 2001	ternational Application Number <sup>0</sup>	
and was amended	d on (if applicable).		aliford on a siferation
•	ve reviewed and understar s amended by any amendn	nd the contents of the above ider nent referred to above.	ntified specification,
l acknowledge the duty 1.56.	y to disclose information wh	nich is material to patentability as	s defined in 37 CFR §
application(s) for pater designated at least or below by checking tl	nt or inventor's certificate, one country other than the he box, any foreign apply in having a filing date before	35 U.S.C. §119(a)-(d) or § 3 or § 365(a) of any PCT Internation United States, listed below and lication for patent or inventor that of the application on which	onal application which d have also identified s certificate, or PCT
2000-234444	JAPAN	02/August/2000	r noney reaction
(Number)	(Country)	(Day/Month/Year Filed)	
2001-218006	JAPAN	18/July/2001	LJ
(Number)	(Country)	(Day/Month/Year Filed)	
I hereby claim the be listed below.	nefit under 35 U.S.C. § 1	19(e) of any United States pro	visional application(s)
(Application Number)	(Filing Date)		
(Application Number)	(Filing Date)		
PCT International app matter of each of the	lication designating the Ur claims of this application	of any United States application nited States, listed below and, it is not disclosed in the prior to ed by the first paragraph of	insofar as the subject United States or PCT

acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:



(Application Number) (Filing Date) (Status - patented, pending, abandoned) (Application Number) (Filing Date) (Status - patented, pending, abandoned) POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Paul F. Prestia Reg. No. 23,031 Lawrence E. Ashery Reg. No. 34,515 Jonathan H. Spadt Reg. No. 45,122 Reg. No. 19,717 Reg. No. 36,201 Scott A. Mckeown Reg. No. 42,866 Allan Ratner Christopher R. Lewis Pamela Politis Robert L. Andersen Reg. No. 20,300 Reg. No. 25,771 Reg. No. 47,865 Andrew L. Ney Joshua L. Cohen Reg. No. 38,040 Matthew I. Cohen Kenneth N. Nigon Reg. No. 31,549 Reg. No. 48,133 Kevin R. Casey Reg. No. 32,117 Daniel N. Calder Reg. No. 27,424 Steven Bach Reg. No. 46,530 Reg. No. 33,412 Jacques L. Etkowicz Reg. No. 41,738 Camille Jolly-Tornetta Reg. No. 48,592 Benjamin E. Leace James C. Simmons Reg. No. 42,690 Steven Ngo Reg. No. 24,842 Jack J. Jankovitz Reg. No. 42,932 Address all correspondence to: Lawrence E. Ashery Ratner & Prestia, Suite 301, One Westlakes, Berwyn, P.O. Box 980, Valley Forge, PA 19482-0980 Address all telephone calls to: Lawrence E. Ashery at (610) 407-0700. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full name of sole or first inventor (given name, family name) Kentaro Miyano Inventor's signature Residence Kanagawa, Japan Citizenship Japanese Post Office Address 4-188-5-213, Yamamoto-cho, Naka-ku, Yokohama-shi Kanagawa 231-0851 Japan Full name of second joint inventor, if any (given name, family name) Takashi Fukagawa akashi Tukagana Second Inventor's signature Residence Kanagawa, Japan Citizenship Japanese Post Office Address 1-10-1-203, Gorikida, Asao-ku, Kawasaki-shi, Kanagawa 157-0067 Japan

Additional inventors are being named on separately numbered sheets attached hereto.

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Seventh inventor's signature	_ Date _	
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